3-9-04

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)

IVARIE et al) Docket No.: **U022 1060.1**

Serial No: **10/733,042**)

Filed: **December 11, 2003**)

For: **SITE-DIRECTED AVIAN TRANSGENESIS USING CHICKEN OVALBUMIN GENE REGION**

CERTIFICATE OF EXPRESS MAIL

Mail Stop IDS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed for filing in the above case are the following documents:

Information Disclosure Statement
Form PTO 1449
27 References
Return Postcard

Womble Carlyle Sandridge & Rice, PLLC
P.O. Box 7037
Atlanta, GA 30357-0037
(404) 872-7000 (Telephone)
(404) 888-7490 (Facsimile)
Customer Id No. 26158
Docket No.: **U022 1060.1**

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Aquanis M. Joshua
(Printed Name of Person Mailing Correspondence)

Aquanis Joshua
(Signature of Person Mailing Correspondence)

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Post Office Box 1450
Alexandria, Virginia 22313

Sir:

Applicant hereby voluntarily discloses the items listed on the attached Form PTO-1449 to the Assistant Commissioner for Patents. Copies of items (A-AA) are enclosed herewith.

Applicant further reserves the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as a representation that an exhaustive search has been made, or that the information cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an independent and thorough review of the information, and to form independent opinions as to their significance.

It is respectfully requested that the Examiner initial and return copies of the enclosed PTO-1449 and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to account no. 09-0528.

Date: 3/8/2004

DJ Hayzer

David J. Hayzer, Ph.D., J.D.
Attorney for Applicant
Reg# 43,329

Womble Carlyle Sandridge & Rice, PLLC
P.O. Box 7037
Atlanta, GA 30357-0037
(404) 962-7529 (Telephone)
(404) 870-2413 (Facsimile)
Docket No.: **U022 1060.1**

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Attorney Docket No.	Serial No.
U022 1060.1	**10/733,042**
Applicant: **IVARIE et al**	
Filing Date: **December 11, 2003**	Group:

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, etc.)*

	A	"Quantitation of Parameters that Determine the Rate of Ovalbumin Synthesis," Palmiter, Richard D., Cell, 4:189-197 (1975)
	B	"Transcriptional Regulation of the Ovalbumin and Conalbumin Genes by Steroid Hormones in Chick Oviduct," McKnight et al, Journal of Biological Chemistry, 254:9050-9058 (1979)
	C	"Effect of estrogen on gene expression in chicken oviduct: Evidence for transcriptional control of ovalbumin gene," Swaneck et al, Proc. Natl. Acad. Sci. USA, 76:1049-1053 (1979)

	D	"The Ovalbumin gene region: common features in the organisation of three genes expressed in chicken oviduct under hormonal control," Royal et al, Nature, 279:125-132 (1979)
	E	"Deoxyribonuclease I Sensitivity of the Nontranscribed Sequences Flanking the 5' and 3' Ends of the Ovomucoid Gene and the Ovalbumin and Its Related X and Y Genes in Hen Oviduct Nuclei," Lawson et al, Biochemistry, 19: 4404-4411 (1980)
	F	"Complete Nucleotide Sequence of the Chicken Chromosomal Ovalbumin Gene and its Biological Significance," Woo et al, Biochemistry, 20:6437-6446 (1981)
	G	"Differential Hormonal Responsiveness of the Ovalbumin Gene and Its Pseudogenes in the Chick Oviduct," Colbert et al, Biochemistry, 19:5586-5592 (1980)
	H	"Identification and Sequence Analysis of the 5' Domain of the X and Y Pseudo-ovalbumin Genes," Knoll et al, Journal of Biological Chemistry, 256:7949-7953 (1981)
	I	"The Ovalbumin Gene Family: Hormonal Control of X and Y Gene Transcription and mRNA Accumulation," LeMeur et al, Cell, 23:561-571 (1981)
	J	"Definition of 5' and 3' Structural Boundaries of the Chromatin Domain Containing the Ovalbumin Multigene Family," Lawson et al, Journal of Biological Chemistry, 257:1501-1507 (1982)
	K	"Higher-order structural determinants for expression of the ovalbumin gene family," Stumph et al, Molecular Biology of egg maturation, pp. 80-95 (1983)
	L	"Chromatin Structure of the Ovalbumin Gene Family in the Chicken Oviduct," Anderson et al, Biochemistry, 22:21-30 (1983)
	M	"Characterization of Deoxyribonucleic Acid Sequences at the 5' and 3' Borders of the 100 Kilobase Pair Ovalbumin Gene Domain," Stumph et al, Biochemistry, 22:306-315 (1983)
	N	"A close association between sites of Dnase I hypersensitivity and sites of enhanced cleavage by micrococcal nuclease in the 5'-flanking region of the actively transcribed ovalbumin gene," Kaye et al, EMBO Journal, 3:1137-1144 (1984)
	O	"Steroid hormone dependence of four Dnase I-hypersensitive regions located within the 7000-bp 5'-flanking segment of the ovalbumin gene," Kaye et al, EMBO Journal, 5:277-285 (1986)
	P	"Identification of Two Factors Required for Transcription of the Ovalbumin Gene," Sagami et al, Mol. Cell. Biol., 6:4259-4267 (1986)
	Q	"The chicken ovalbumin promoter is under negative control which is relieved by steroid hormones," Gaub et al, EMBO Journal, 6:2313-2320 (1987)
	R	"Positive and Negative Regulatory Elements Control the Steroid-Responsive Ovalbumin Promoter," Sanders et al, Biochemistry, 27:6550-6557 (1988)
	S	"The Steroid-dependent Regulatory Element in the Ovalbumin Gene Does Not Function as a Typical Steroid Response Element," Schweers et al, Journal of Biological Chemistry, 265:7590-7595 (1990)
	T	"A Far Upstream Estrogen Response Element of the Ovalbumin Gene Contains Several Half-Palindromic 5'-TGACC-3' Motifs Acting Synergistically," Kato et al, Cell, 68:731-742 (1992)

	U	"A Protein with a Binding Specificity Similar to NF-κB Binds to a Steroid-dependent Regulatory Element in the Ovalbumin Gene," Schweers et al, Journal of Biological Chemistry, 266:10490-10497 (1991)
	V	"A Complex Array of Double-stranded and Single-stranded DNA-binding Proteins Mediates Induction of the Ovalbumin Gene by Steroid Hormones," Nordstrom et al, Journal of Biological Chemistry, 268:13193-13202 (1993)
	W	"Repression of the Ovalbumin Gene Involves Multiple Negative Elements Including a Ubiquitous Transcriptional Silencer," Haecker et al, Molecular Endocrinology, 9:1113-1126 (1995)
	X	"Regulation of the Chicken Ovalbumin Gene by Estrogen and Corticosterone Requires a Novel DNA Element That Binds a Labile Protein, Chirp-I," Dean et al, Molecular & Cellular Biology, 16:2015-2024 (1996)
	Y	"A Winged-Helix Family Member Is Involved in a Steroid Hormone-Triggered Regulatory Circuit," Dean et al, Endocrinology, 139:4967-4975 (1998)
	Z	"Multiple Promoter Elements Including a Novel Repressor Site Modulate Expression of the Chick Ovalbumin Gene," Sensenbaugh et al, DNA & Cell Biology, 18:147-156 (1999)
	AA	"Identification of the Novel Play δEF1 in Estrogen Transcriptional Cascades," Chamberlain et al, Molecular & Cellular Biology, 19:1-7 (1999)